

PHOSPHORS

Abstract of the Disclosure

Small particles provide for improved performance as phosphors especially in the production of display devices. Particles with a diameter less than about 100 nm have altered band properties that affect the emission by the particles. A collection of such small particles with a narrow distribution around a selected average diameter can be used to produce emission at a desired frequency. These particles are effective for producing a wide variety of display types including flat panel displays. Laser pyrolysis provides an efficient process for the production of desired particles.

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